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MEMORANDUM FOR DoD MODELING AND SIMULATION (M&S) WORKING GROUP
(MSWG) MEMBERS

SUBJECT: Minutes for the December 5, 1995, MSWG Meeting

The DoD MSWG met in the Institute for Defense Analyses' (IDA) facility at 2001 North Beauregard, on December 5, 1995. CAPT Hollenbach, Director, Defense Modeling and Simulation Office (DMSO), chaired the meeting. The attachment identifies attendees. Meeting highlights follow:

Important Schedule Notes:

- MSWG Meeting. The next MSWG Meeting will be on January 11, 1995, 9:00 AM to 12:00 Noon, in the IDA Boardroom in IDA's 1801 North Beauregard facility. (NOTE: MSWG members should ensure that their security clearances are on file with IDA. Clearances may be faxed to IDA Visitor Control, (703) 845-2588.)

- DoD Executive Council for Modeling and Simulation (EXCIMS) Meeting. The EXCIMS will meet on Wednesday, February 7, 1996, in Pentagon Room 3D1019, from 1:00 PM to 4:00 PM.

Backbrief on the Joint Requirements Oversight Council (JROC) "Off-Site" on M&S, November 27, 1995. CAPT Hollenbach provided an overview of the JROC's "Off-site" meeting. Other MSWG members who attended that meeting also contributed. Of eight briefings scheduled for the JROC, only two briefings were completed. Dr. Henningsen announced that the JROC would hold a follow-on meeting on January 11, 1995. Further discussion indicated that the next JROC session will focus on requirements for the Joint Warfare Simulation (JWARS) and the Joint Simulation System (JSIMS).

Technical Framework Update (High-Level Architecture (HLA) and Conceptual Model of the Mission Space (CMMS)). Dr. Dahmann, Chief Scientist, DMSO, provided an update on the HLA to include the November 1-2, 1995, Architecture Management Group meeting, an update on the Runtime Infrastructure (RTI) and a summary of the DMSO-sponsored Aggregation/Disaggregation Workshop that was held on November 29-30, 1995.

She also announced that the DMSO will sponsor a workshop on "Representation of Command Decision-Making in Simulation" in late January or early February 1996. The DMSO is soliciting participants with experience in the implementation of simulations which

incorporate models of command decision-making. Potential participants should provide a summary of their effort and point-of-contact information to Mr. Heusmann, by phone, (703) 824-3413, or E-mail, heusmann@msis.dmsomil.

Modular Reconfigurable Command, Control, Communications, Computers, and Intelligence (C4I) Interface (MRCI). Col (Sel) Jefferson, Chief, Technology Applications Division, DMSO, briefed the MSWG on the MRCI effort to develop a reusable set of technical tools to support the "seamless" interfaces between C4I systems and simulations. The goals of this effort are to: (1) take M&S to war, and (2) train as you fight. The MRCI has the potential to be a force multiplier by providing more effective planning, rehearsal, and operations. His briefing addressed three categories of C4I-simulation interfaces, simulation-C4I functionality, and additional live player functions that the MRCI will have to address. The briefing explained a notional design for the MRCI, near-term prototyping efforts, development strategy, organizational structure, and a near-term fielding plan.

Five teams will be formed to oversee MRCI development:

- A Technical Peer Review Team to identify technical issues, review the initial MRCI design, perform a progress review, and review developmental testing.
- A Simulation Program Review Team, Simulation Center Review Team, and a C4I System Review Team will review functional requirements and ensure operational functionality. These teams will work together to: define operational requirements and/or implementation opportunities; review the MRCI development plan; conduct an In Progress Review (IPR); and, review MRCI developmental testing.
- A Program Manager-Contractor Team will be selected to develop the MRCI plan, design an objective MRCI, and build a prototype.

M&S Resource Repository (MSRR). Mr. Misch, DMSO Support Staff, briefed the MSWG on the MSRR. He explained the concept, identified potential customers, and outlined MSRR requirements. The MSRR is a subset of the DoD Repository System. The MSRR goal is to provide timely access to both unclassified and classified authoritative M&S information and data, and to eliminate duplication. The MSRR management structure includes a Repository Program Manager and an Implementation Committee. Over the next year, six unclassified nodes and one classified node will be installed. In the near-term, Master Environmental Library project and the DMSO libraries will also be incorporated into the MSRR. Future expan-

sion may include "virtual nodes" that can be created on the DMSO server.

M&S Operational Support Activity (MSOSA). Col Verbeck, J-7 Joint Warfighting Center (JWFC), announced that the MSOSA officially began operations on December 5, 1995. It will operate as an on-line activity 16 hours per day. Col Verbeck will brief the MSWG on measures of merit to evaluate the MSOSA.

Publications Update:

- DoD 5000.59-P, "DoD Modeling and Simulation Master Plan (MSMP)," October 1995. CAPT Hollenbach advised that DoD MSMP is at Washington Headquarters Service for final editing, printing, and distribution. A copy may be downloaded from the DMSO homepage (<http://www.dmsomil>). He also announced plans to update the MSMP. The baseline assessment of DoD M&S will be revised; appendices for Acquisition, Analysis, and Training will be added; and the DoD M&S vision statement and M&S objectives will be reviewed for revision. Points of contact are LtCol Bartlett, (703) 998-0660, and Mr. Mills, (703) 379-3881.

- DoD 5000.59-M, "DoD Glossary of Modeling and Simulation (M&S) Terms." The Glossary entered formal coordination on November 28, 1995; coordination is due by February 29, 1996. Points of contact are Mr. Heusmann, (703) 824-3413, and Mr. Mills, (703) 379-3881.

M&S Benefits Task Force (MSBTF) Report. Dr. Worley, DMSO, reported the findings of the MSBTF. The Task Force's goals were to document quantifiable benefits of M&S, determine any conclusions, and, to initiate a long-term impact assessment of the role of M&S in support of MSMP Sub-Objective 6-1. The MSBTF was active from January to August 1995; during that period, it received over 130 reports--all were "success" stories and did not provide a complete picture. The MSBTF found that: individual skills were studied quantitatively; collective skills were reported qualitatively; acquisition reports reported significant cost savings or avoidance; and, analysis applications were under-reported. He highlighted numerous examples of apparent M&S "returns" on investment as well as questions about the validity and methodology of many reports. The report concluded with the MSBTF's recommendations for future DoD-wide assessments of M&S.

Department of the Navy M&S Management Office (DoNMSMO) Brief. CAPT Kistler, DoNMSMO, provided an overview of the Navy M&S organization, scope, and functions.

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Director, Defense Modeling
and Simulation Office

Attachment
As stated